

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . . " line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . . ," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Materials Consumed – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

3. Contract Work – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

4. Resales – Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

5. Produced and Consumed – Forgings, foundries, and screw machine products – Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.

| Line No. | Materials, parts, and supplies | | Census material code | Consumption of purchased materials and of materials received from other establishments of your company | | |
|----------|---|--|----------------------|--|------------|---------|
| | | | | Cost, including delivery cost (freight-in) | | |
| | (A) | | (B) | (E) | | |
| | | | | Millions | Thou-sands | Dollars |
| 1 | FABRICATED METAL PRODUCTS (Except forgings) | Bolts, nuts, screws, rivets, washers, and screw machine products | 345001 2 | \$ | | |
| 2 | | All other fabricated metal products | 340098 3 | | | |
| 3 | Forgings | | 346000 3 | | | |
| 4 | Castings (rough and semifinished) | | 330091 0 | | | |
| 5 | Shapes and Forms (Except castings, forgings, and fabricated metal products) | Steel | 331002 6 | | | |
| 6 | | Copper and copper-base alloy | 335105 3 | | | |
| 7 | | ALUMINUM AND ALUMINUM-BASE ALLOY | 335301 8 | | | |
| 8 | | Sheet, plate, foil, and welded tubing | 335301 8 | | | |
| | | All other aluminum and aluminum-base alloy shapes and forms | 335011 3 | | | |
| 9 | All other nonferrous shapes and forms | | 335099 8 | | | |
| 10 | Magnet wire | | 335770 4 | | | |
| 11 | Insulated wire and cable (except magnet wire) | | 335791 0 | | | |
| 12 | Porcelain, steatite, and other ceramic electrical products | | 326400 9 | | | |
| 13 | Industrial electrical control equipment (either purchased from other companies and/or received from other plants of your company for incorporation only into other industrial electrical control equipment shipped, as such, by this plant) | | 362502 7 | | | |
| 14 | Plastics products consumed in the form of sheets, rods, tubes, and other shapes | | 308007 4 | | | |
| 15 | Resistors, capacitors, transformers, transducers, and other electronic-type components (except electron tubes and semiconductors) | | 367001 5 | | | |
| 16 | Paperboard containers, boxes, and corrugated paperboard | | 265001 8 | | | |

CONTINUE WITH ITEM 17 ON PAGE 6

| Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued | | | | | | |
|---|--|--|----------------------|--|------------|---------|
| Line No. | Materials, parts, and supplies | | Census material code | Consumption of purchased materials and of materials received from other establishments of your company | | |
| | | | | Cost, including delivery cost (freight-in) | | |
| | (A) | | 571 (B) | (E) | | |
| | | | | 574 Millions | Thou-sands | Dollars |
| 17 | Flexible packaging materials | | 190003 4 | \$ | | |
| 18 | Cost of all other materials and components, parts, containers, and supplies consumed <i>Describe the principal materials, etc., included in this value.</i> | | 970099 8 | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 19 | TOTAL Sum of lines 1–18 should equal item 10, line a | | | \$ | | |
| Item 18A – Not applicable to this report | | | | | | |
| Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 | | | | | | |
| INSTRUCTIONS | | | | | | |
| <div><div><p>1. General – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.</p><p>If quantities are requested, please use the unit of measure specified.</p><p>If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.</p></div><div><p>2. Valuation of Products – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.</p><p>If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.</p></div><div><p>3. Contract Work – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.</p><p>4. Resales – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."</p><p>5. Detailed Data Reported Elsewhere – Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR forms, the sum of the detailed CIR products should equal the total reported on this census form. For corresponding survey item codes, see paragraph 4, "Comparability," of CIR Instruction Manual.</p><p>NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR.</p></div></div> | | | | | | |
| Line No. | Products and services *Item corresponds to products reported on Current Industrial Reports | | Census product code | Products shipped and other receipts | | |
| | | | | Value, f.o.b. plant | | |
| | (A) | | 581 (B) | (E) | | |
| | | | | 584 Millions | Thou-sands | Dollars |
| 1 | CAPACITORS FOR INDUSTRIAL USE | Shunt and series power capacitors, units and equipment, 1/2 kVA or more, and accessories for power factor correction and other low frequency ac applications | 36291 01 1 | \$ | | |
| 2 | (Except for electronic circuitry) (36291) | Other capacitors (except electrolytic) (including ac capacitors, general-purpose capacitors for motors, controls, and high-intensity discharge lighting) – <i>Specify kind</i> | 36291 04 5 | | | |
| 3 | Capacitors for electronic circuitry (corresponds to value of shipments reported on CIR Form MA36Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components, for 1997) (36750)* | | 36750 00 8 | | | |
| CONTINUE WITH ITEM 18B ON PAGE 7 | | | | | | |

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|--|---|--|---|---|---------------------|-------------------------------------|--|----------|-------------|
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| Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued | | | | | | | | | |
| Line No. | Products and services *Item corresponds to products reported on Current Industrial Reports (A) | | | | Census product code | Products shipped and other receipts | | | |
| | | | | | | Value, f.o.b. plant (E) | | | |
| | | | | | 581 | 584 | | | |
| | | | | | (B) | | | Millions | Thou- sands |
| 4 | Rectifying (Power conversion) Apparatus, (Except for electronic circuitry) Including All Apparatus Using Semi-conductors and/or Electron Tubes as Power Conversion Means (36292) | SEMI- CONDUCTOR POWER CONVERSION APPARATUS | Semiconductor battery chargers | Automotive | 36292 21 7 | \$ | | | |
| 5 | | | | Industrial and railroad | 36292 25 8 | | | | |
| 6 | | | Semiconductor high-voltage power supply in excess of 2kV (except separate associated apparatus, such as controls, capacitors, switchgear, etc.) | 100 kW or less | 36292 41 5 | | | | |
| | | | | More than 100 kW | 36292 45 6 | | | | |
| 8 | | | All other ac-to-dc semiconductor power conversion apparatus (including computer supplies) – Specify kind | | 36292 51 4 | | | | |
| | | 9 | | Uninterruptible power supply (UPS) systems | 36292 53 0 | | | | |
| 10 | | Other rectifying (power conversion) apparatus – Specify kind | 36292 55 5 | | | | | | |
| | | | 11 | Diodes and rectifiers (solid state) for electronic circuitry (corresponds to value of shipments reported on CIR Form MA36Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components, for 1997) (36743)* | 36743 00 3 | | | | |
| 12 | OTHER ELECTRICAL EQUIPMENT FOR INDUSTRIAL USE (Except for electronic circuitry) (36293) | Coil windings, electrical | | | 36293 01 7 | | | | |
| 13 | | Solenoids (except solenoid-actuated regulating valves) | | | 36293 02 5 | | | | |
| 14 | | Surge suppressors | | | 36293 03 3 | | | | |
| 15 | | Cathodic protection equipment | | | 36293 04 1 | | | | |
| 16 | | Other miscellaneous electrical equipment for industrial use, n.e.c. (including electrical discharge equipment) | | | 36293 11 6 | | | | |
| 17 | Coils, transformers, reactors, and chokes for electronic circuitry (corresponds to value of shipments reported on CIR Form MA36Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components, for 1997) (36770)* | | | | 36770 00 6 | | | | |
| 18 | Electronic components and subassemblies, n.e.c. | | | | 36790 00 4 | | | | |
| 19 | TRANS- FORMERS, EXCEPT ELECTRONIC (3612) | Power and distribution transformers | | | 36122 00 0 | | | | |
| 20 | | Specialty transformers, except fluorescent lamp ballasts | | | 36123 00 8 | | | | |
| 21 | | Fluorescent lamp ballast, (corresponds to the sum of item codes 1015-1035, 1210-1245, and 1310-1370 as reported on CIR Form MQ36C, Fluorescent Lamp Ballasts, for 1997) (36124)* | | | 36124 00 6 | | | | |
| 22 | | Commercial, institutional, and industrial general-purpose transformers, all voltages, single- and three-phase, excluding electric utility distribution transformers | | | 36126 00 1 | | | | |
| 23 | | Power regulators, boosters, and other transformers, including parts and accessories for all transformers | | | 36127 00 9 | | | | |
| 24 | Power circuit breakers, all voltages (corresponds to the sum of item codes 2021-2052 as reported on CIR Form MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 1997) (36132)* | | | | 36132 00 9 | | | | |
| 25 | Low voltage panelboards, distribution boards, and other switching and interrupting devices, 1,000 volts and below (corresponds to the sum of item codes 3001-3201 as reported on CIR Form MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 1997) (36133)* | | | | 36133 00 7 | | | | |
| 26 | General purpose and other relays (corresponds to the sum of item codes 5400-5496 as reported on CIR Form MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 1997) (36251)* | | | | 36251 00 7 | | | | |

| Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued | | | | | | |
|---|--|---|---------------------------------------|-------------------------------------|----------------|---------|
| Line No. | Products and services (A) | | Census product code 581 (B) | Products shipped and other receipts | | |
| | | | | Value, f.o.b. plant (E) | | |
| | | | | 584 Millions | Thou- sands | Dollars |
| 27 | Motor controller accessories and parts for industrial controls (corresponds to the sum of item codes 6703 and 6705 as reported on CIR Form MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 1997) (36254)* | | 36254 00 1 | \$ | | |
| 28 | Switches for electrical circuitry (corresponds to the sum of item codes 3109-3137 as reported on CIR Form MA36K, Wiring Devices, and Supplies, for 1997) (36433)* | | 36433 00 1 | | | |
| 29 | Other current-carrying wiring devices, including attachment plug caps, connector bodies, lightning arresters, pin and sleeve convenience power outlets, etc. (corresponds to the sum of item codes 3633-3698 as reported on CIR Form MA36K, Wiring Devices, and Supplies, for 1997) (36436)* | | 36436 00 4 | | | |
| 30 | ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT | Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. For all remaining products, write "Other" and report a single total value. | 18 | | | |
| 31 | | | 26 | | | |
| 32 | | | 34 | | | |
| 33 | | | 42 | | | |
| 34 | | | 59 | | | |
| 35 | CONTRACT WORK | Receipts for work done for others on their own materials Decribe below products worked on and kind of work. | 93000 00 8 | | | |
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| | | | | | | |
| 36 | MISCELLA-NEOUS RECEIPTS | Miscellaneous receipts (including receipts for repair work, sale of scrap and refuse, research and development, etc.) | 99980 00 5 | | | |
| 37 | RESALES | Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b. | 99989 00 6 | | | |
| 38 | TOTAL value of shipments and other receipts. Sum of lines 1–37, column (E) | | 77000 00 8 | \$ | | |

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Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT

INSTRUCTIONS

1. Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.

2. Purchases or receipts of the items specified below should be reported only in item 17.

3. Materials used to produce the items specified below should be reported in item 17.

4. Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.

5. Report quantities in the unit of measure specified in column (D).

| Line No. | Item | | Census code | Was this operation performed at this establishment during 1997? | | Unit of measure for quantities | Quantities produced in this establishment and used in manufacturing other products made in this establishment | | |
|----------|---|----------|-------------|---|----------------------------|--|---|-----|-----|
| | | | | 592 | (C) | | (D) | 593 | (E) |
| | | | | 591 | (B) | | | | |
| 1 | Ferrous foundries | | 1001 7 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | Short tons | | | |
| 2 | NONFERROUS FOUNDRIES (Except die-casting) | Aluminum | 1002 5 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | <div>↑ Thousand pounds ↓</div> | | | |
| 3 | | Copper | 1003 3 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | | | | |
| 4 | | Zinc | 1004 1 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | | | | |
| 5 | | Other | 1005 8 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | | | | |
| 6 | Nonferrous die-casting foundries | | 1006 6 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | | | | |
| 7 | Precision turned products (on screw machines, turning centers, and CNC equipment) | | 1007 4 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | | | | |

Items 20 and 21 – Not applicable to this report

REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report (Print or type)

6671

Telephone

2

Area code

Number

Extension

Name of company

Address (Number and street, city, State, ZIP Code)

Period covered

6661

FROM: Month

Day

Year

TO: Month

2

Day

Year

Signature of authorized person

Title

Date